

Please rewrite the following claims:

Subj 1
1. (Amended) A transgenic non-human mammal containing an exogenous DNA sequence stably integrated in its genome, wherein said exogenous DNA sequence comprises [substantially] the 5' 4.2 kb Sau3A - Kpn1 promoter of the mouse whey acidic protein gene, [or a variant thereof,] operably linked to a DNA sequence encoding [a polypeptide having] protein C [activity] and a signal peptide, wherein said whey acidic protein promoter is specifically active in mammary cells and said signal peptide is effective in directing the secretion of said [polypeptide] protein C into the milk of said transgenic mammal, and wherein said transgenic mammal is selected from the group consisting of mice, rats, rabbits, pigs, sheep, goats and cows.

Subj 2
2. (Amended) The transgenic non-human mammal of claim 1, wherein said protein C is human protein C, and wherein said DNA sequence encoding [a polypeptide having human] protein C [activity] further comprises portions of the non-coding regions of the human protein C gene.

3. (Amended) The transgenic non-human mammal of claim 1, wherein said DNA sequence encoding [a polypeptide having] human protein C [activity] comprises [substantially] the human protein C gene from 21 basepairs upstream of the protein C start codon to the NheI site in the 3' end of the protein C gene[, or a variant thereof].

Subj 2
6. (Amended) A process for the production of protein C, comprising the steps of:

(A) providing a non-human transgenic mammal characterized by an exogenous DNA sequence stably integrated in its genome, wherein said exogenous DNA sequence comprises [substantially] the 5' 4.2 kb Sau3A - Kpn1 promoter of the mouse whey acidic protein gene, [or a variant thereof,] operably linked to a DNA sequence

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encoding [a polypeptide having] protein C [activity] and a signal peptide, said promoter being specifically active in mammary cells and said signal peptide being effective in directing the secretion of said [polypeptide] protein C into the milk of said transgenic mammal, and wherein said transgenic mammal is selected from the group consisting of mice, rats, rabbits, pigs, sheep, goats and cows;

(B) producing milk from said transgenic mammal, wherein said milk contains said secreted protein C;
(C) collecting said milk; and
(D) isolating said [polypeptide] protein C from said milk.

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7. (Amended) The process of claim 6, wherein said protein C is human protein C, and wherein said DNA sequence encoding [a polypeptide having human] protein C [activity] further comprises portions of the non-coding regions of the human protein C gene.

8. (Amended) The process of claim 6, wherein said DNA sequence encoding [a polypeptide having] human protein C [activity] comprises the human protein C gene from 21 basepairs upstream of the protein C start codon to the NheI site in the 3' end of the protein C gene.

Sub 3

11. (Twice amended) A process for producing non-human transgenic animals, comprising the steps of (A) providing a mixture containing a double-stranded DNA; (B) subjecting said mixture to anion-exchange high performance liquid chromatography to obtain purified double-stranded DNA; and thereafter (C) microinjecting an aqueous buffer solution containing said purified double-stranded DNA into an animal embryo, wherein said double-stranded DNA is selected from the group consisting of a double-stranded DNA comprising [substantially] the 5' 4.2 kb Sau3A - Kpn1 promoter fragment of the mouse whey acidic protein promoter, a double-stranded DNA comprising [substantially] a fragment of the human protein C gene beginning 21 basepairs

upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein C gene, and a double-stranded DNA comprising a DNA sequence consisting essentially of the 5' 4.2 kb *Sau3A - Kpn1* promoter fragment of the mouse whey acidic protein promoter ligated directly or by a linker to a fragment of the human protein C gene beginning 21 basepairs upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein C gene, and wherein said transgenic mammal is selected from the group consisting of mice, rats, rabbits, pigs, sheep, goats and cows.

12. (Amended) A process for the production of a polypeptide in the milk of a transgenic non-human mammal, comprising the steps of:

(A) providing a non-human transgenic mammal characterized by an exogenous DNA sequence stably integrated in its genome, wherein said exogenous DNA sequence comprises [substantially] the 5' 4.2 kb *Sau3A - Kpn1* promoter of the mouse whey acidic protein gene, [or a variant thereof,] operably linked to a DNA sequence encoding said polypeptide and a signal peptide, said promoter being specifically active in mammary cells and said signal peptide being effective in directing the secretion of said polypeptide into the milk of said transgenic mammal, and wherein said transgenic mammal is selected from the group consisting of mice, rats, rabbits, pigs, sheep, goats and cows;

(B) producing milk from said transgenic mammal, wherein said milk contains said secreted polypeptide;
(C) collecting said milk; and
(D) isolating said polypeptide from said milk.

14. (Amended) A transgenic non-human mammal containing an exogenous DNA sequence stably integrated in its genome, wherein said exogenous DNA sequence comprises [substantially] the 5' 4.2 kb *Sau3A - Kpn1* promoter fragment of the mouse whey acidic protein promoter, [or a variant thereof] operably linked to a DNA